AIRPORT MAP DISPLAY SYSTEM AND DATA INTERCHANGE METHOD

ABSTRACT OF THE DISCLOSURE

An airport map display system provides situational awareness to a pilot of an airport's runways, taxiways, and other features relative to the pilot's aircraft. Data representative of an airport map is translated and communicated between aircraft systems using a data interchange method that facilitates efficient throughput of information used to represent an airport map. In addition, data representative of taxi routes, modified taxi routes, and current position of the aircraft at the airport are also translated and communicated using a compact data interchange method. Airport map data is scaled so that it is compatible with display systems previously incompatible with displaying some airport maps. Aircraft equipped with raster displays are manipulated to display map symbology by redefining existing vector group labels. For retrofit applications, the airport map display system is activated when a preexisting input (e.g., an "ARPT" button) is activated when a taxi-related page is active.